

Abstract of the Disclosure

An endovascular device (1,100,200,300) having a distal end (2), a proximal end (4) and a body portion (3) therebetween. The body portion is made of a multiple filament helically wound row (A) of wires (5), provided with a sealing coating (14) on the inside surface or the outside surface or both. The device may be a catheter (1), a sheath, an introducer, a delivery device, a pusher (100), an embolization coil delivery device (300), or a receptacle (208) for an expandable prosthesis (220) used with a delivery device (200). From 2 to 12, and preferably from 4 to 8, wires (5) are used in the row, and fewer wires may be used proceeding toward the distal end (2) for greater flexibility. The helically wound row of wires transmits torque and provides pushability to the device while resisting kinking, and enables a small outside diameter for reaching very small vessels and extending through very tortuous vessels.